



CQASZ20260902063E-01

Summary

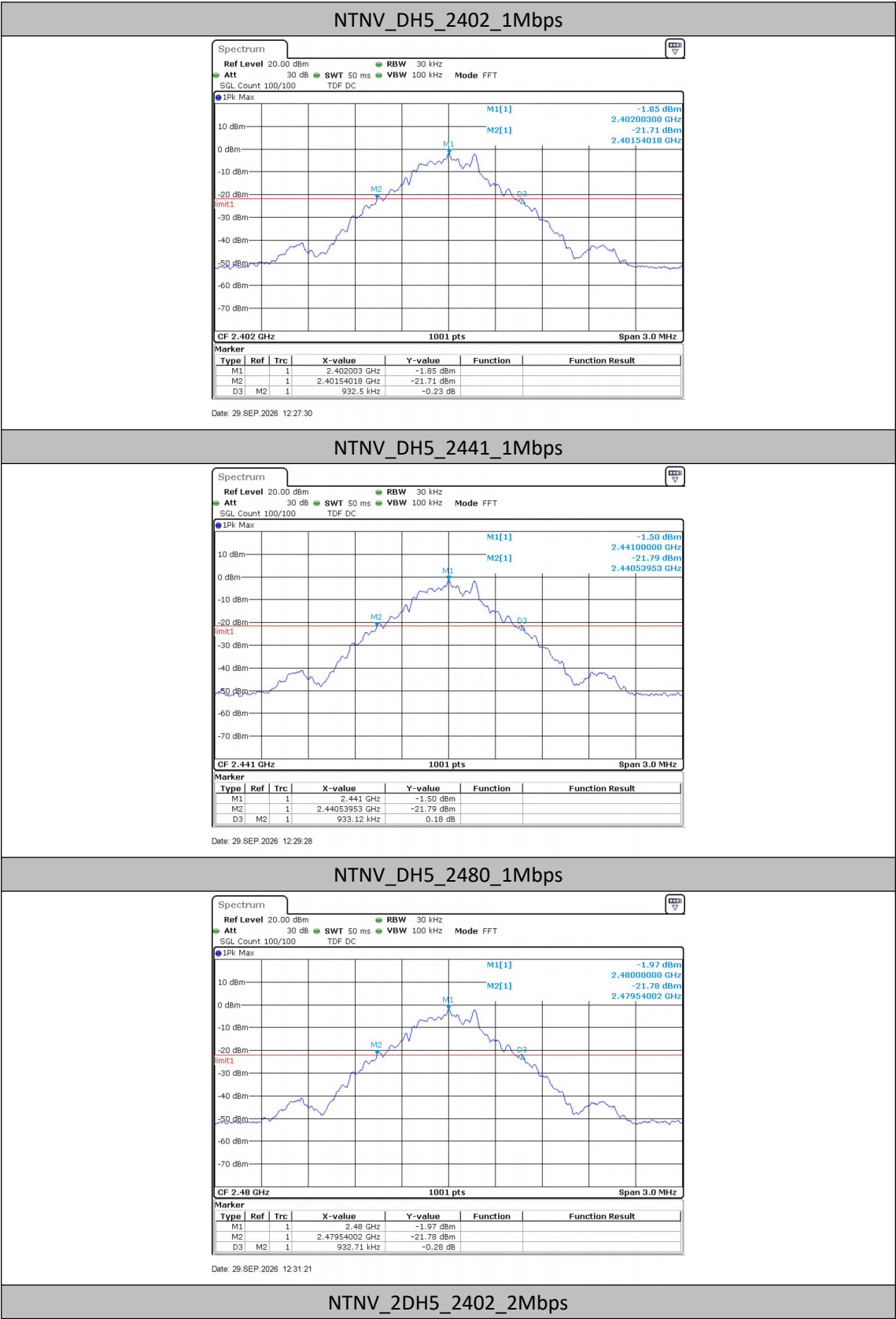
NO.	Item	Verdict
1	20dB Emission Bandwidth	Pass
2	Occupied Channel Bandwidth	Pass
3	Maximum conducted output power	Pass
4	Carrier frequency separation	Pass
5	Time of occupancy	Pass
6	Number of hopping channels	Pass
7	Band edge measurements	Pass
8	Conducted Spurious Emission	Pass
9	Duty Cycle	Pass

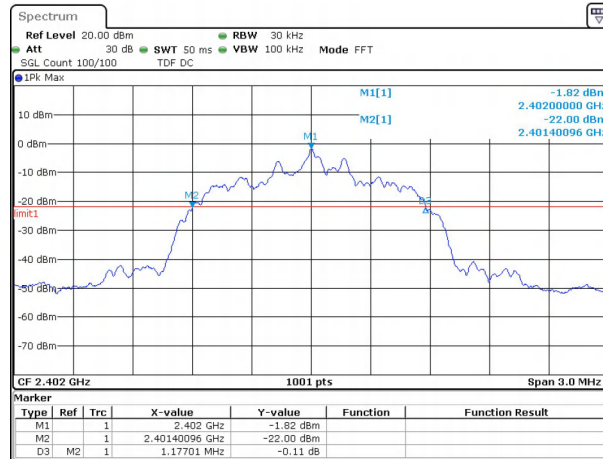
Appendix A: 20dB Emission Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	BW (MHz)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	0.93	2401.54	2402.47	-	-
2	NTNV	DH5	2441	1Mbps	ANT1	0.93	2440.54	2441.47	-	-
3	NTNV	DH5	2480	1Mbps	ANT1	0.93	2479.54	2480.47	-	-
4	NTNV	2DH5	2402	2Mbps	ANT1	1.18	2401.40	2402.58	-	-
5	NTNV	2DH5	2441	2Mbps	ANT1	1.18	2440.40	2441.58	-	-
6	NTNV	2DH5	2480	2Mbps	ANT1	1.18	2479.40	2480.58	-	-

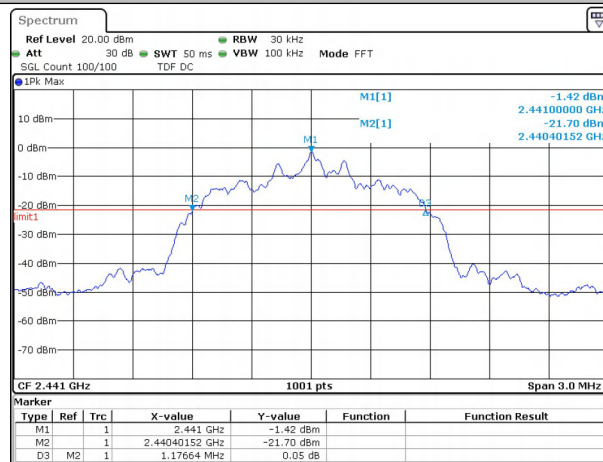
Test Graphs





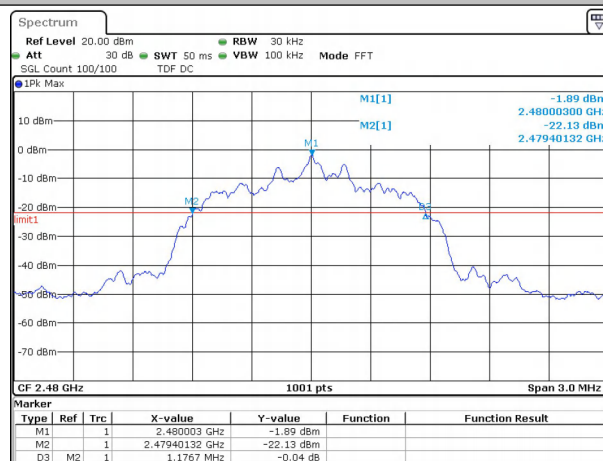
Date: 29 SEP 2026 12:33:17

NTNV_2DH5_2441_2Mbps



Date: 29 SEP 2026 12:35:12

NTNV_2DH5_2480_2Mbps



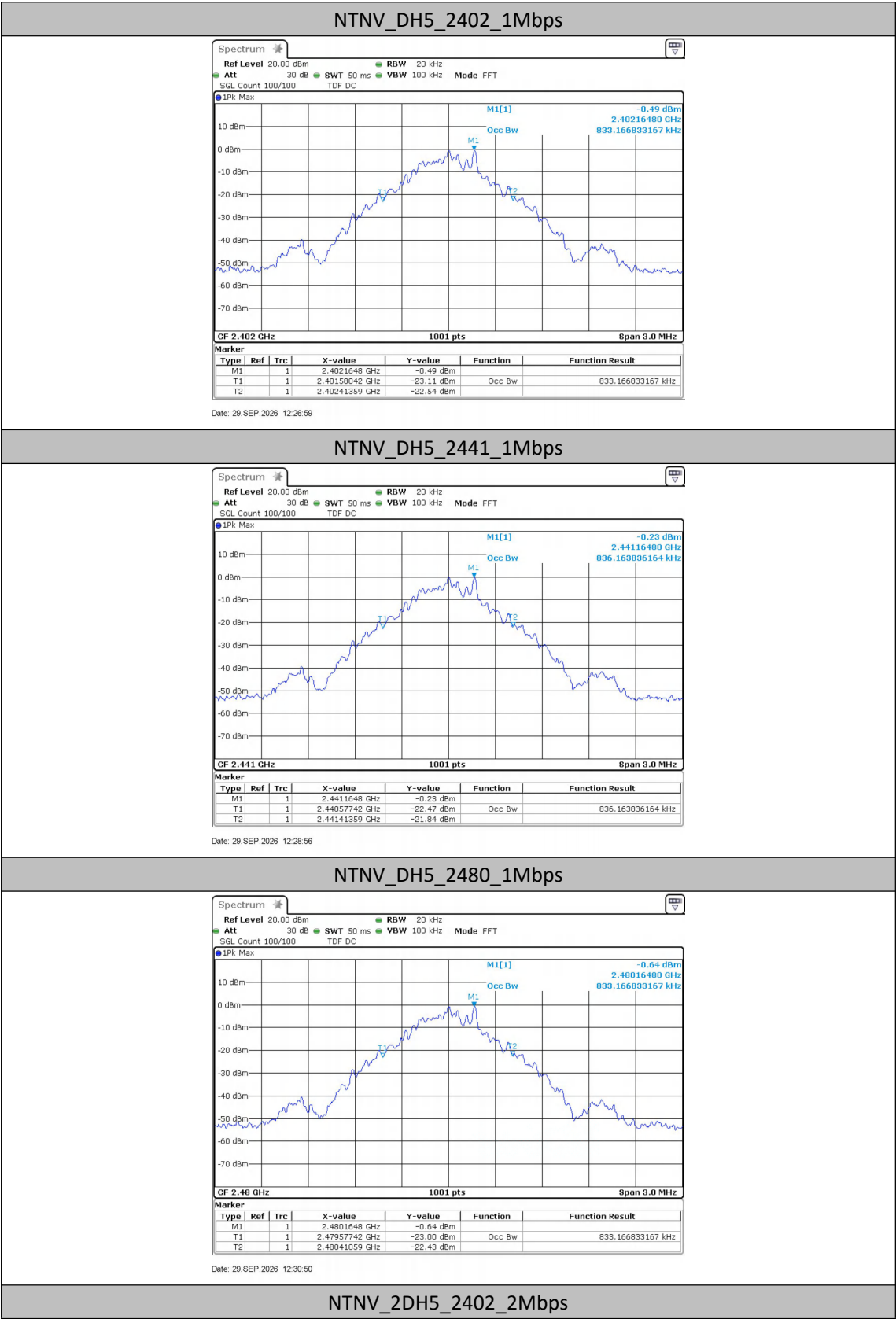
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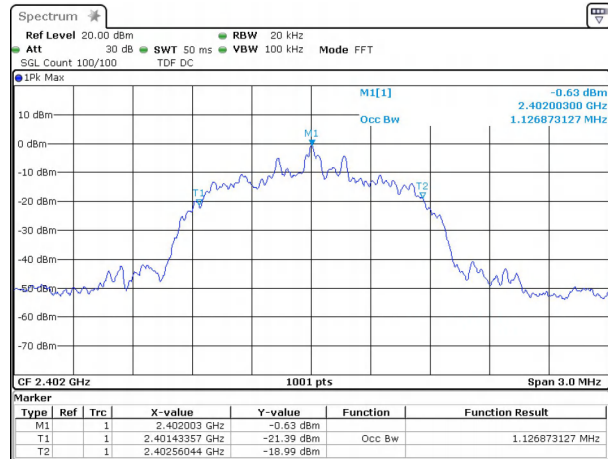
Appendix B: Occupied Channel Bandwidth

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	99% OBW (MHz)	Limit (MHz)	FL (MHz)	FH (MHz)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	0.83	-	2401.58	2402.41	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	0.84	-	2440.58	2441.41	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	0.83	-	2479.58	2480.41	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	1.13	-	2401.43	2402.56	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	1.13	-	2440.43	2441.56	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	1.13	-	2479.43	2480.56	Pass

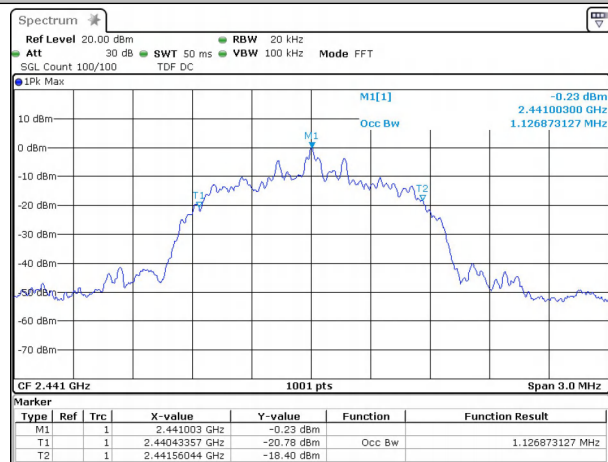
Test Graphs





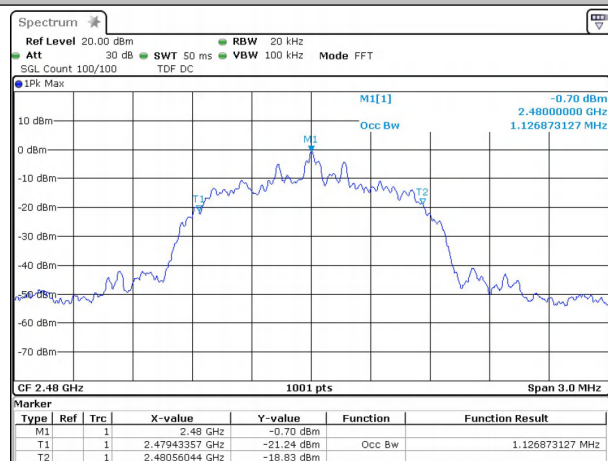
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NTNV_2DH5_2441_2Mbps



Date: 29 SEP 2026 12:34:40

NTNV_2DH5_2480_2Mbps



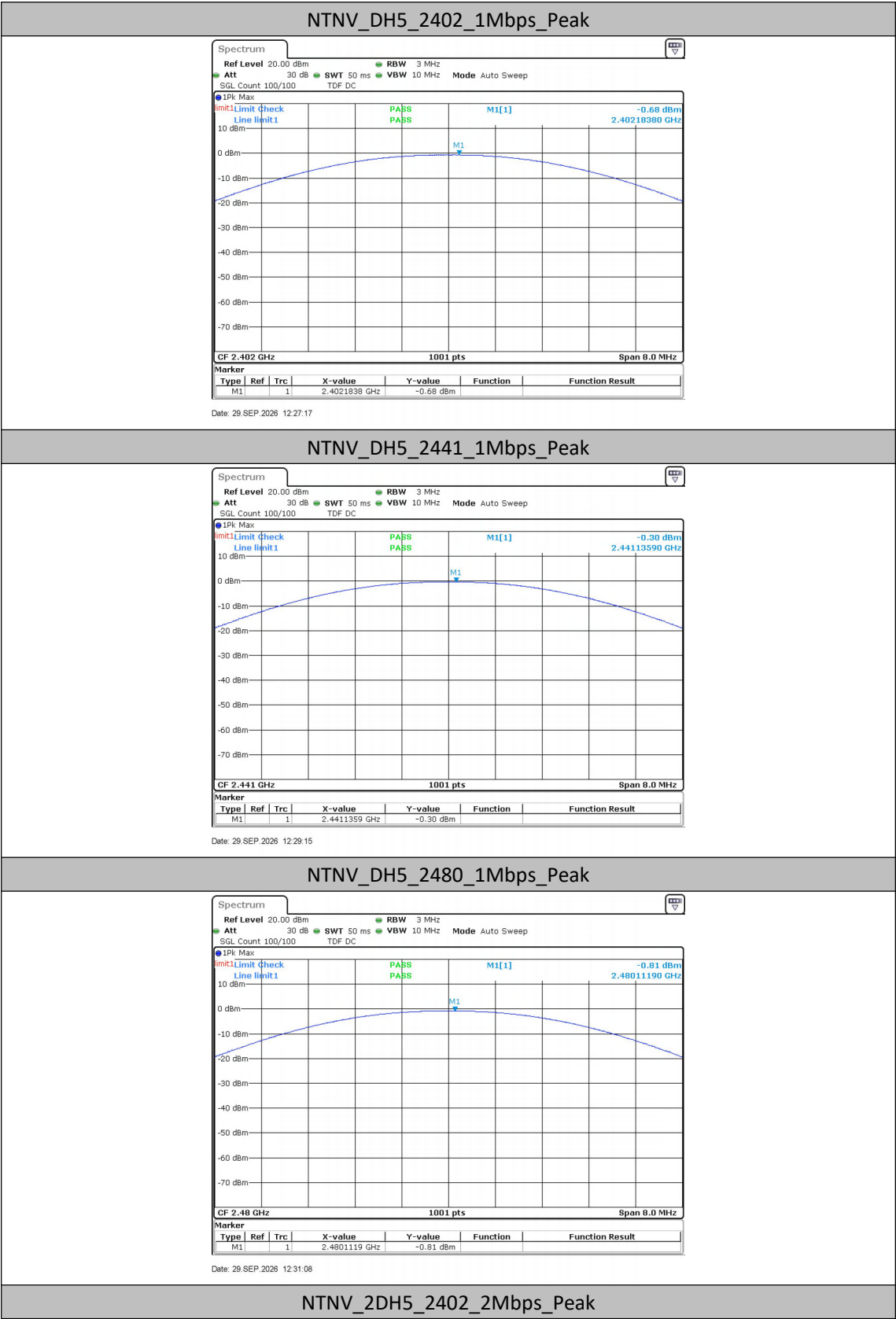
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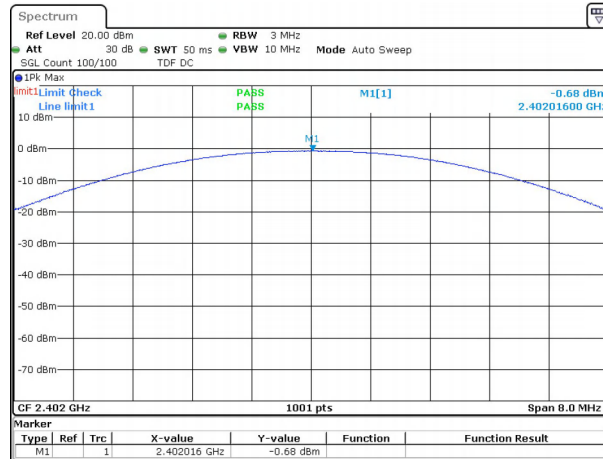
Appendix C: Maximum conducted output power

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Detector	Antenna	Conducted Peak Power (dBm)	Conducted Limit (dBm)	Verdict
1	NTNV	DH5	2402	Peak	ANT1	-0.68	≤30	Pass
2	NTNV	DH5	2441	Peak	ANT1	-0.30	≤30	Pass
3	NTNV	DH5	2480	Peak	ANT1	-0.81	≤30	Pass
4	NTNV	2DH5	2402	Peak	ANT1	-0.68	≤30	Pass
5	NTNV	2DH5	2441	Peak	ANT1	-0.28	≤30	Pass
6	NTNV	2DH5	2480	Peak	ANT1	-0.76	≤30	Pass

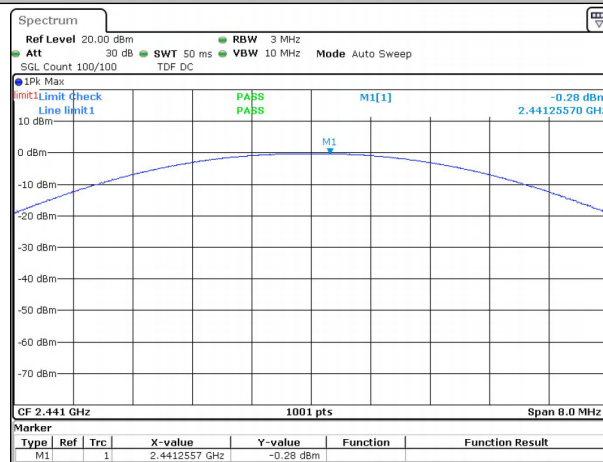
Test Graphs





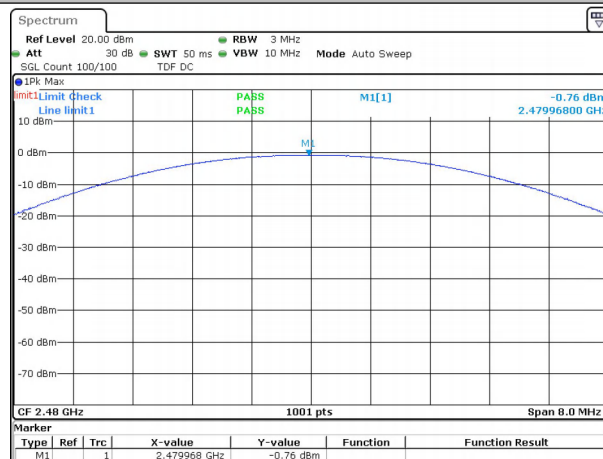
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NTNV_2DH5_2441_2Mbps_Peak



Date: 29 SEP 2026 12:34:58

NTNV_2DH5_2480_2Mbps_Peak



Date: 29 SEP 2026 12:37:11

Appendix D: Carrier frequency separation

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Result (MHz)	Limit (MHz)	Verdict
1	NTNV	DH5 FHSS	2441	1Mbps	ANT1	1.00	≥ 0.62	Pass
2	NTNV	2DH5 FHSS	2441	2Mbps	ANT1	1.00	≥ 0.79	Pass

Test Graphs

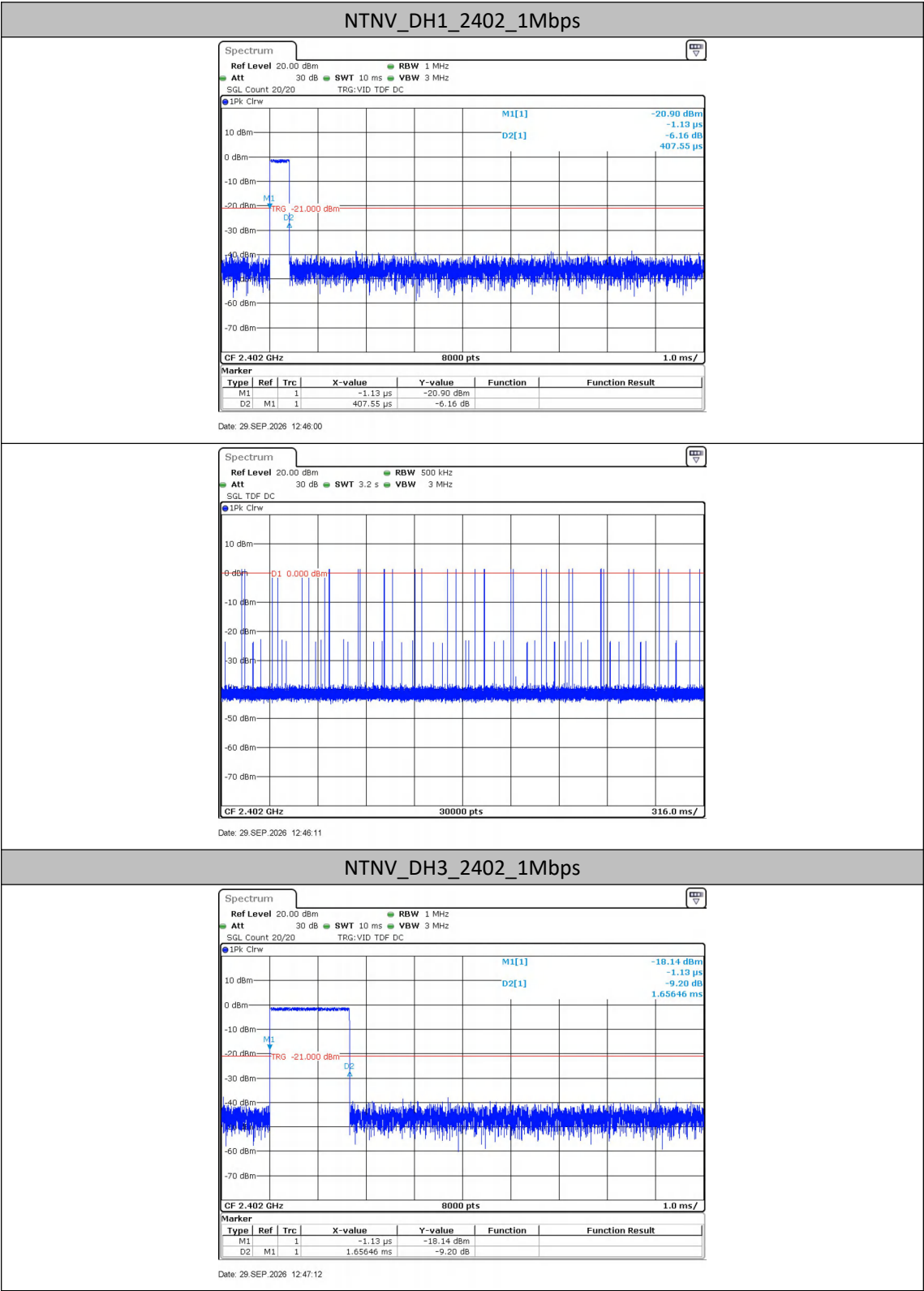


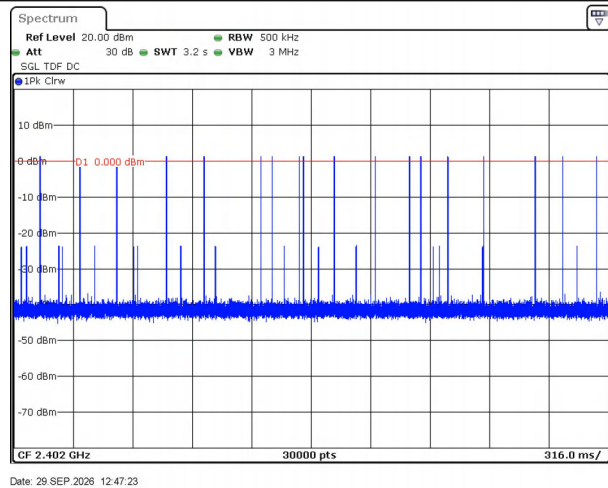
Appendix E: Time of occupancy

Test Result

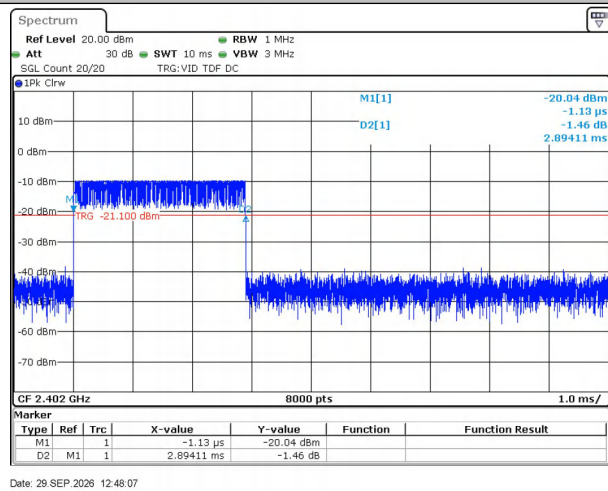
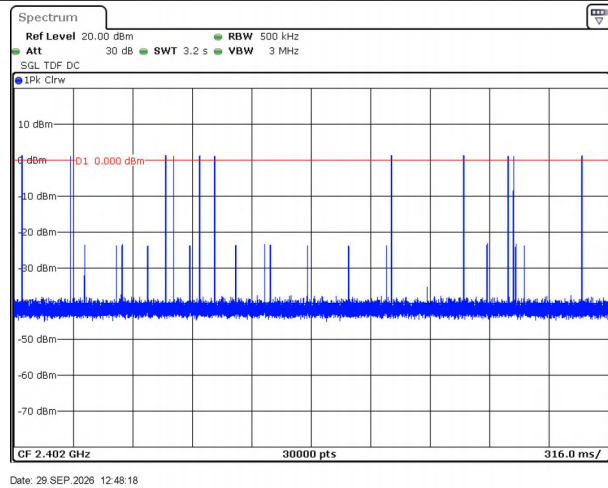
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Burst Width (ms)	Total Hops	Dwell Time (s)	Limit (s)	Verdict
1	NTNV	DH1 FHSS	2402	1Mbps	ANT1	0.41	32	0.13	≤0.4	Pass
2	NTNV	DH3 FHSS	2402	1Mbps	ANT1	1.66	18	0.30	≤0.4	Pass
3	NTNV	DH5 FHSS	2402	1Mbps	ANT1	2.89	11	0.32	≤0.4	Pass
4	NTNV	2DH1 FHSS	2402	2Mbps	ANT1	0.41	32	0.13	≤0.4	Pass
5	NTNV	2DH3 FHSS	2402	2Mbps	ANT1	1.66	16	0.27	≤0.4	Pass
6	NTNV	2DH5 FHSS	2402	2Mbps	ANT1	2.90	11	0.32	≤0.4	Pass

Test Graphs

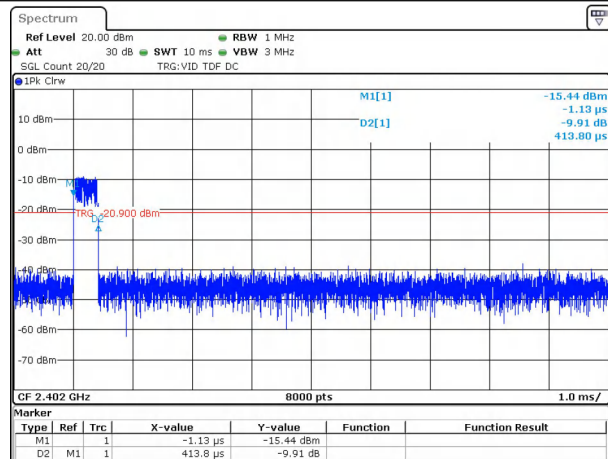




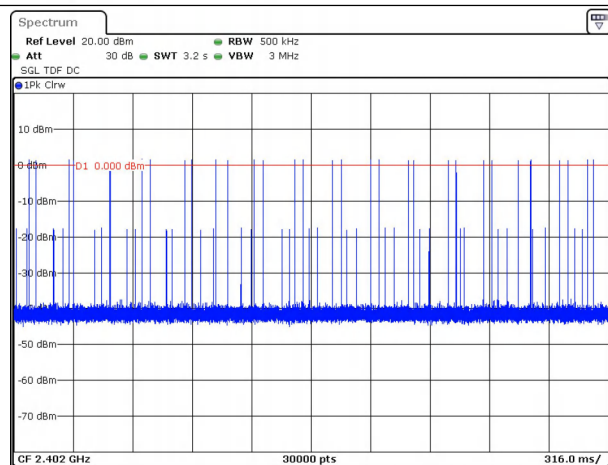
NTNV_DH5_2402_1Mbps



NTNV_2DH1_2402_2Mbps

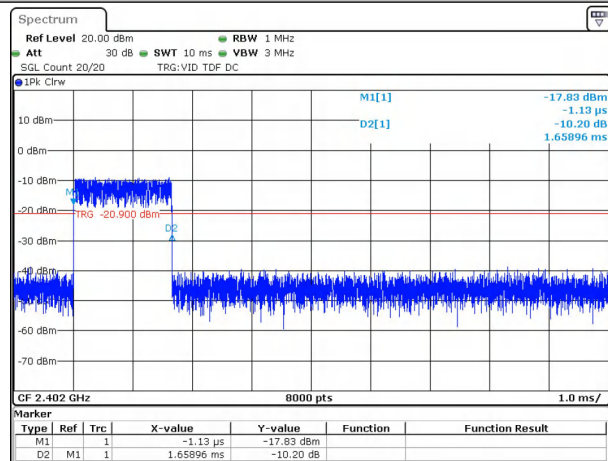


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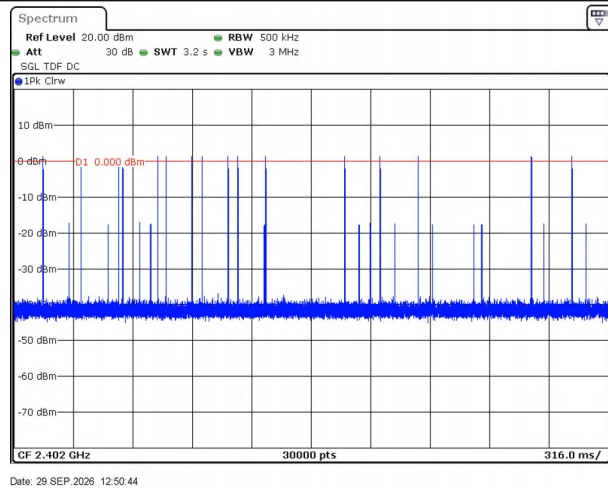


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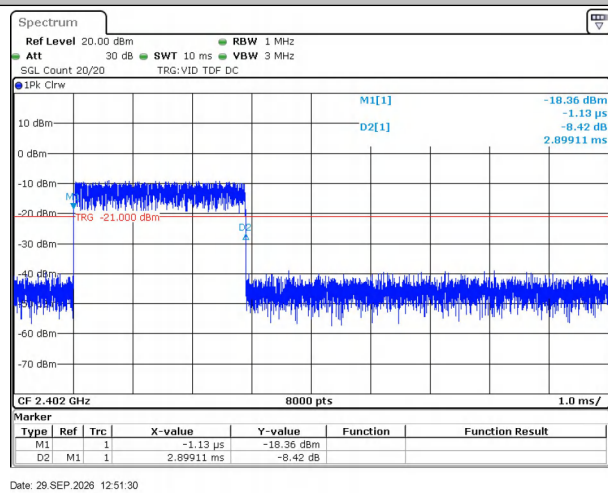
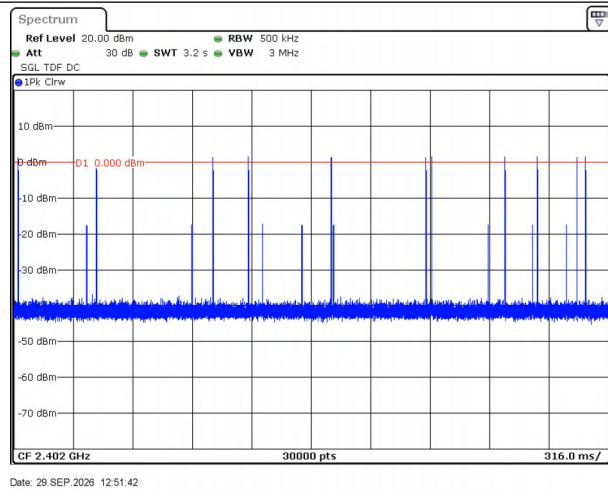
NTNV_2DH3_2402_2Mbps



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NTNV_2DH5_2402_2Mbps

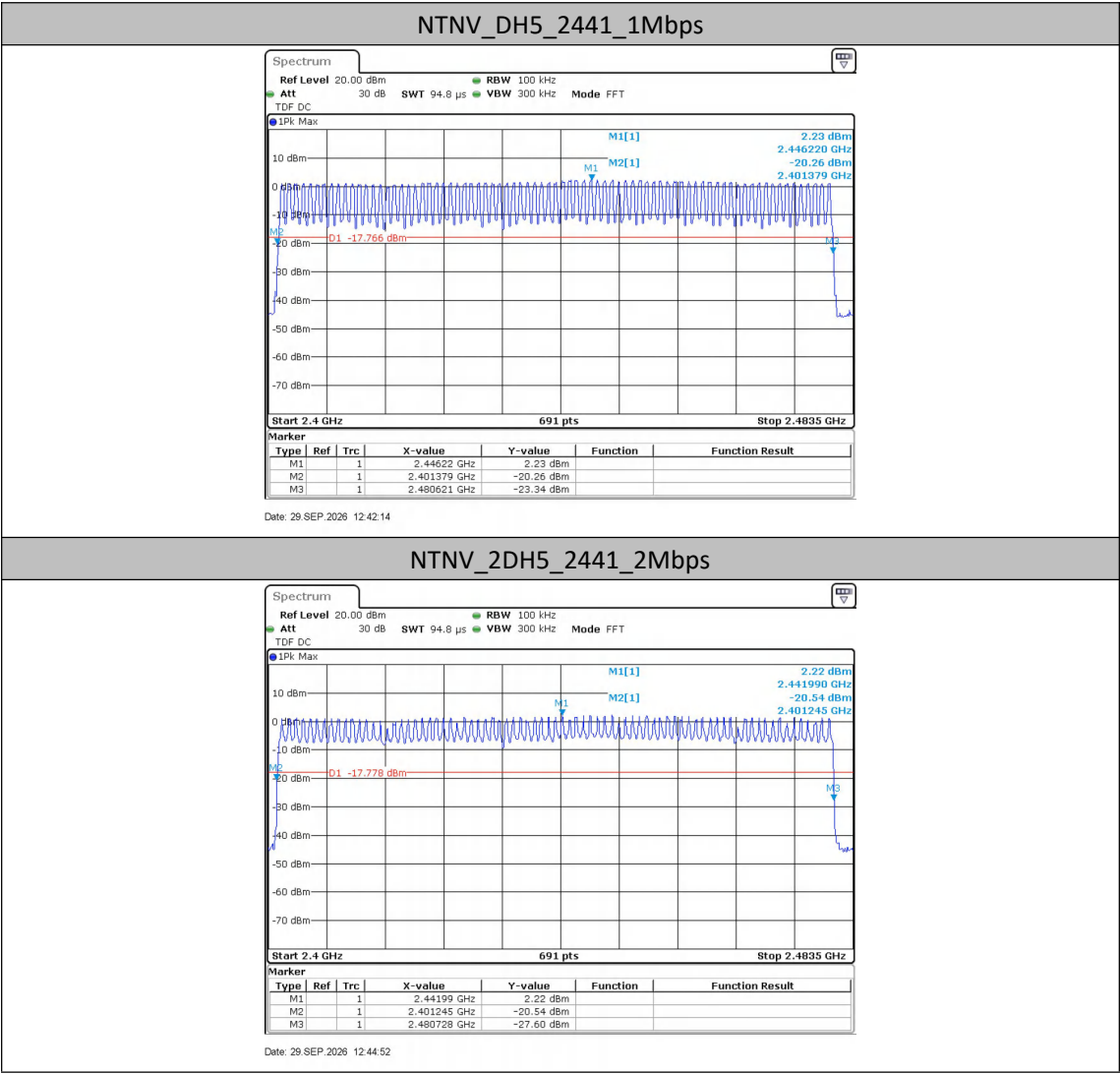


Appendix F: Number of hopping channels

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Result (Num)	Limit (Num)	Verdict
1	NTNV	DH5 FHSS	2441	1Mbps	ANT1	79	≥ 15	Pass
2	NTNV	2DH5 FHSS	2441	2Mbps	ANT1	79	≥ 15	Pass

Test Graphs

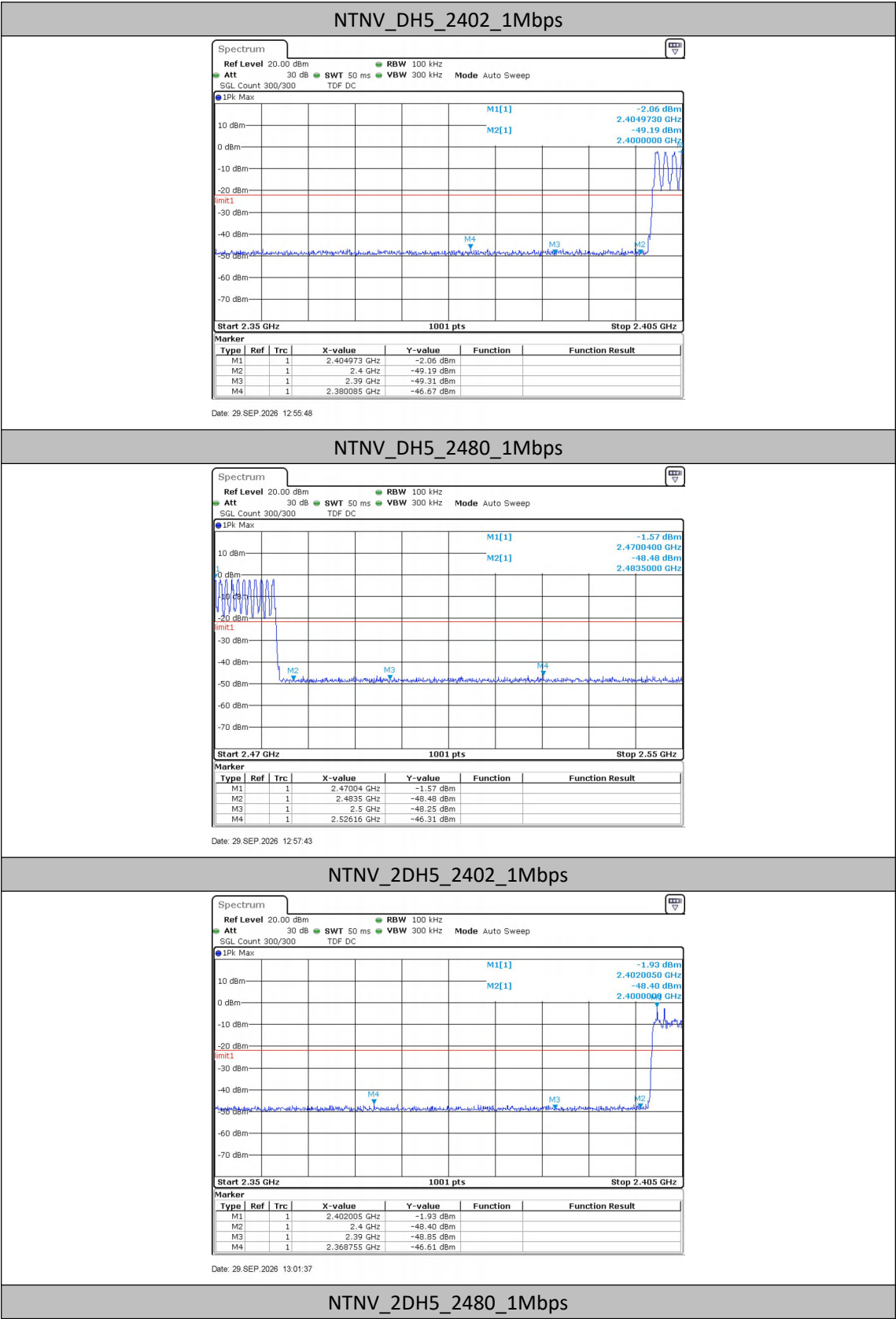


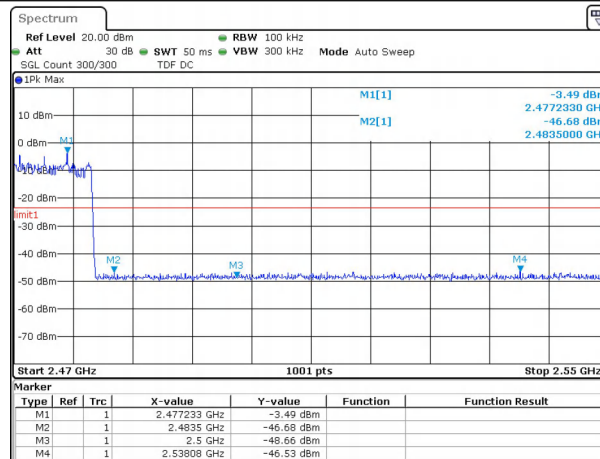
Appendix G: Band edge measurements

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Reference (dBm)	Emission Level (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5 FHSS	2402	1Mbps	ANT1	-2.06	-46.68	≤ -22.06	Pass
2	NTNV	DH5 FHSS	2480	1Mbps	ANT1	-1.57	-46.30	≤ -21.57	Pass
3	NTNV	2DH5 FHSS	2402	1Mbps	ANT1	-1.93	-46.61	≤ -21.93	Pass
4	NTNV	2DH5 FHSS	2480	1Mbps	ANT1	-3.49	-46.53	≤ -23.49	Pass
5	NTNV	DH5	2402	1Mbps	ANT1	-1.94	-47.62	≤ -21.94	Pass
6	NTNV	DH5	2480	1Mbps	ANT1	-2.06	-46.81	≤ -22.06	Pass
7	NTNV	2DH5	2402	2Mbps	ANT1	-3.96	-47.89	≤ -23.96	Pass
8	NTNV	2DH5	2480	2Mbps	ANT1	-4.59	-47.65	≤ -24.59	Pass

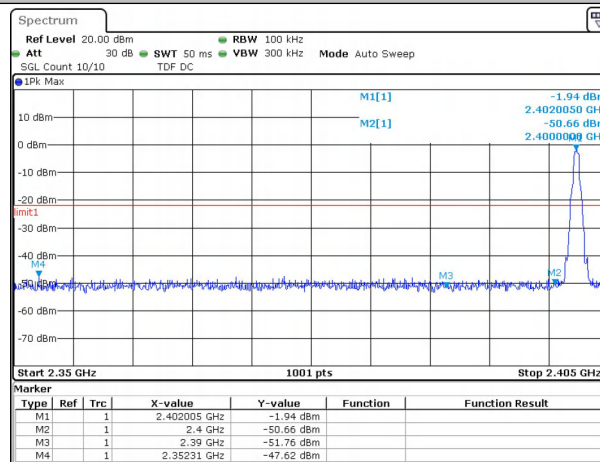
Test Graphs





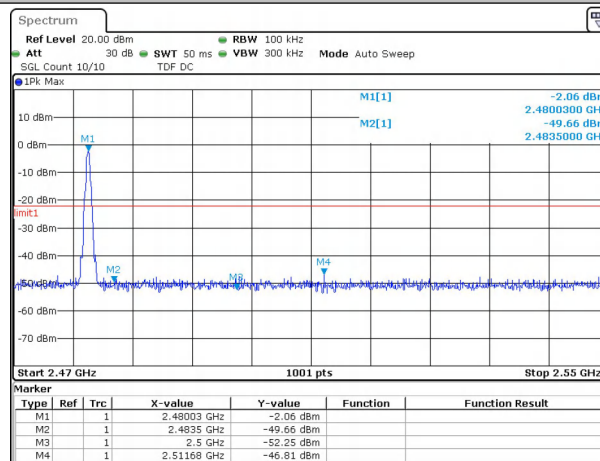
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NTNV_DH5_2402_1Mbps



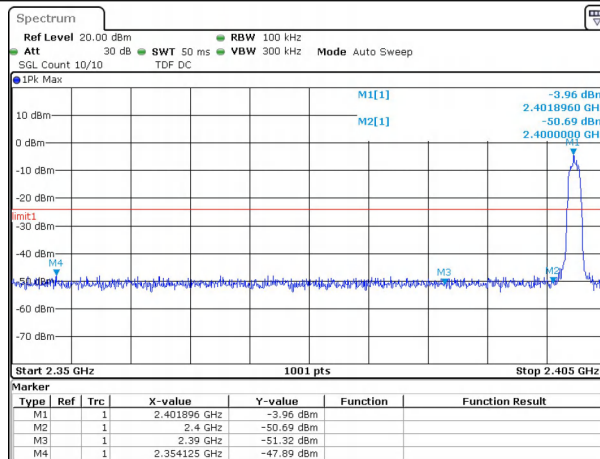
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NTNV_DH5_2480_1Mbps



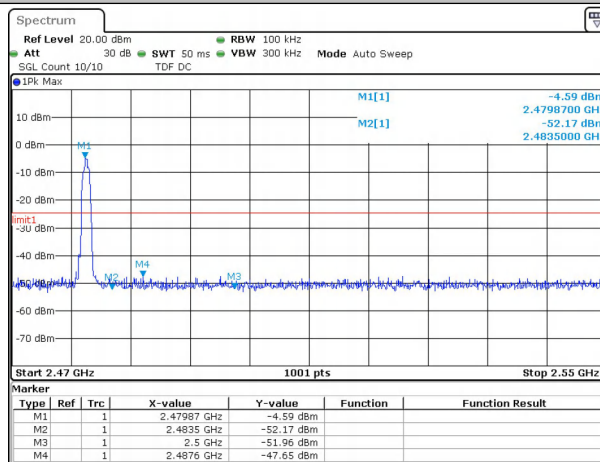
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NTNV_2DH5_2402_2Mbps



Date: 29 SEP 2026 12:33:21

NTNV_2DH5_2480_2Mbps



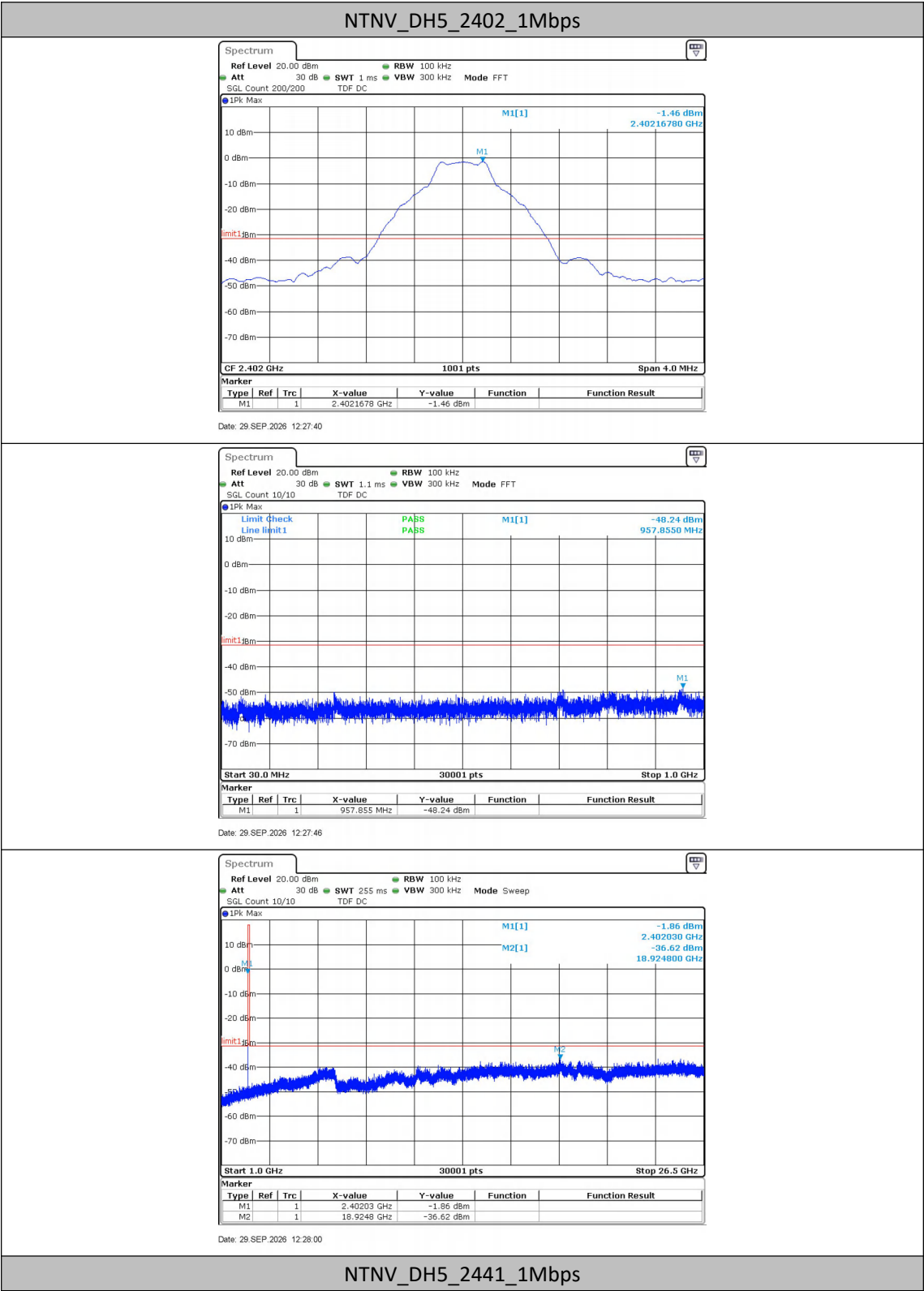
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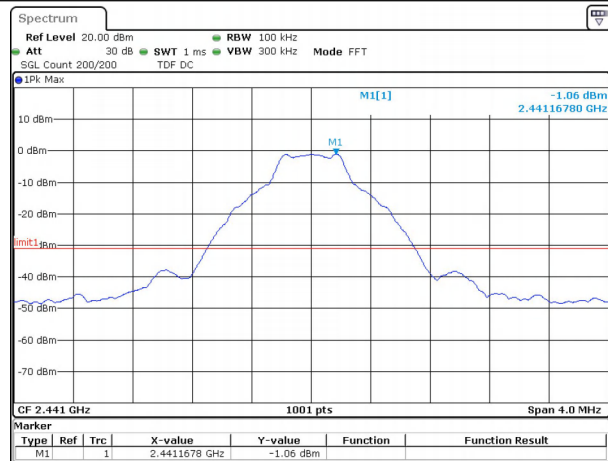
Appendix H: Conducted Spurious Emission

Test Result

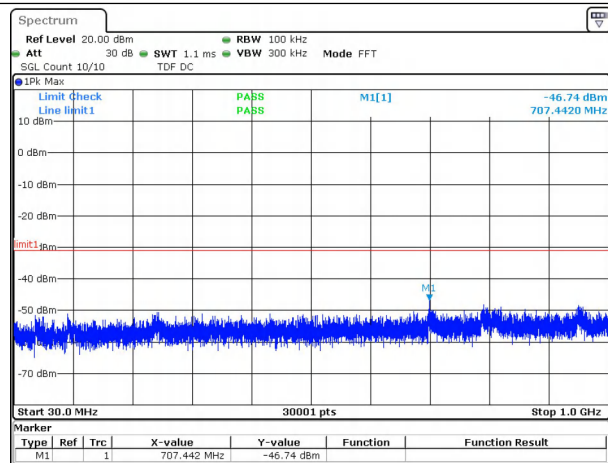
NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	Frequency Range (MHz)	Ref Level (MHz)	Max Power (dBm)	Limit (dBm)	Verdict
1	NTNV	DH5	2402	1Mbps	ANT1	Reference	0.1	-1.46	/	/
						30~1000	0.1	-48.24	≤-31.46	Pass
						1000~26500	0.1	-36.62	≤-31.46	Pass
2	NTNV	DH5	2441	1Mbps	ANT1	Reference	0.1	-1.06	/	/
						30~1000	0.1	-46.74	≤-31.06	Pass
						1000~26500	0.1	-36.65	≤-31.06	Pass
3	NTNV	DH5	2480	1Mbps	ANT1	Reference	0.1	-1.56	/	/
						30~1000	0.1	-47.62	≤-31.56	Pass
						1000~26500	0.1	-37.02	≤-31.56	Pass
4	NTNV	2DH5	2402	2Mbps	ANT1	Reference	0.1	-1.41	/	/
						30~1000	0.1	-47.49	≤-31.41	Pass
						1000~26500	0.1	-37.18	≤-31.41	Pass
5	NTNV	2DH5	2441	2Mbps	ANT1	Reference	0.1	-1.02	/	/
						30~1000	0.1	-48.29	≤-31.02	Pass
						1000~26500	0.1	-35.92	≤-31.02	Pass
6	NTNV	2DH5	2480	2Mbps	ANT1	Reference	0.1	-1.5	/	/
						30~1000	0.1	-47.97	≤-31.50	Pass
						1000~26500	0.1	-36.94	≤-31.50	Pass

Test Graphs

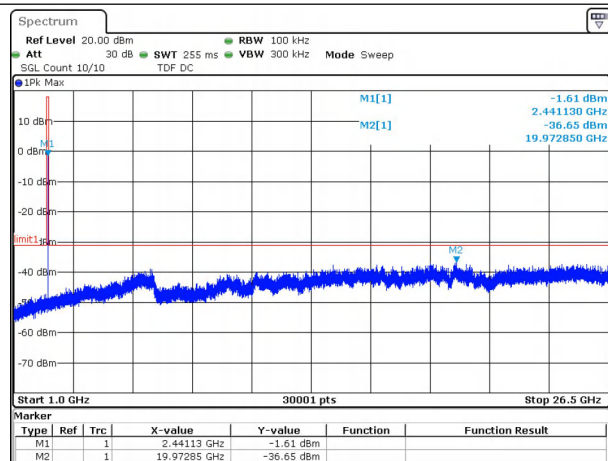




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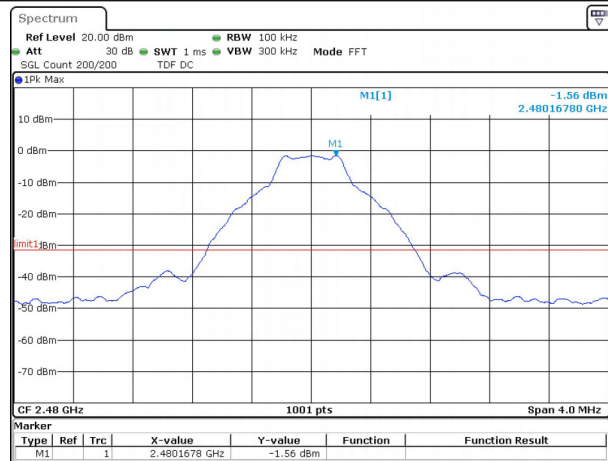


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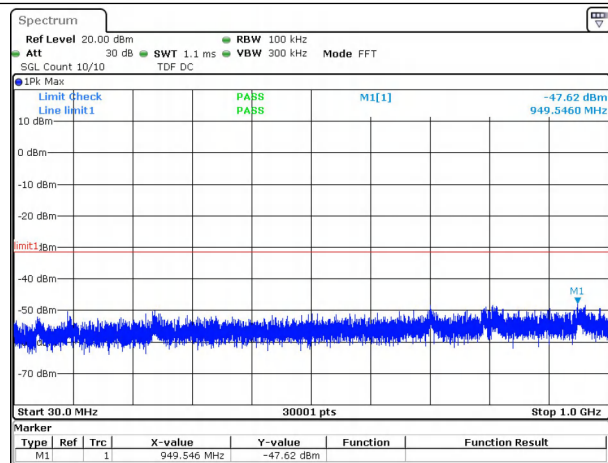


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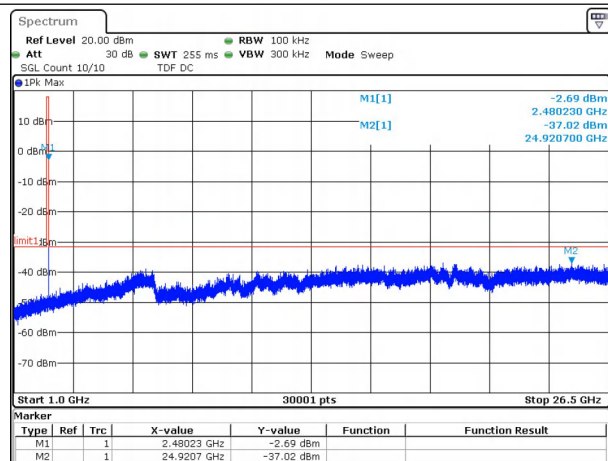
NTNV_DH5_2480_1Mbps



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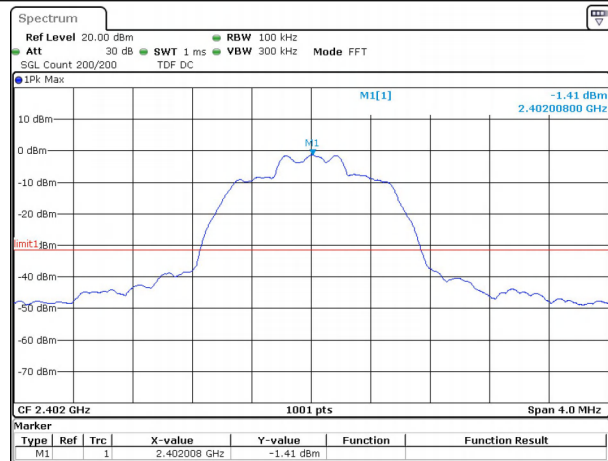


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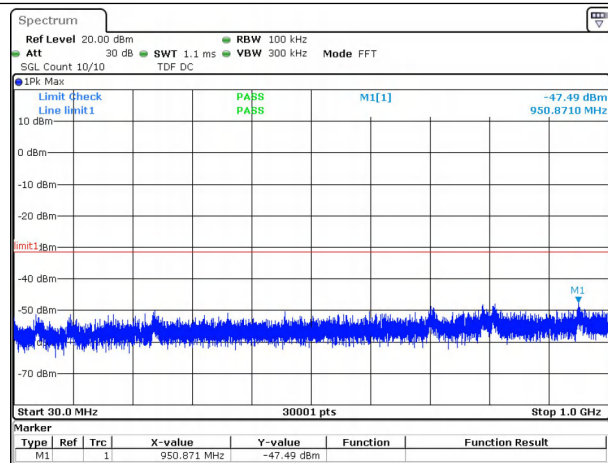


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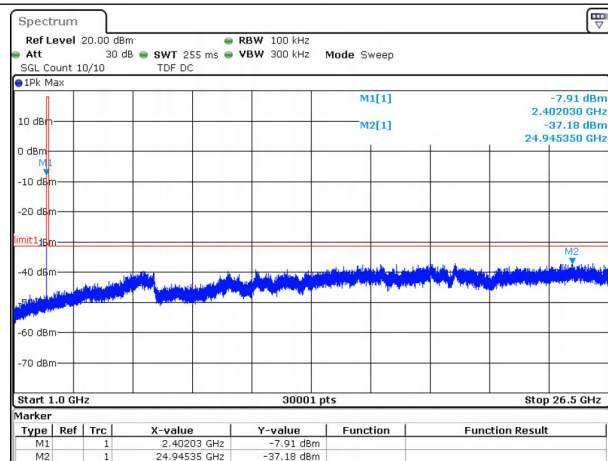
NTNV_2DH5_2402_2Mbps



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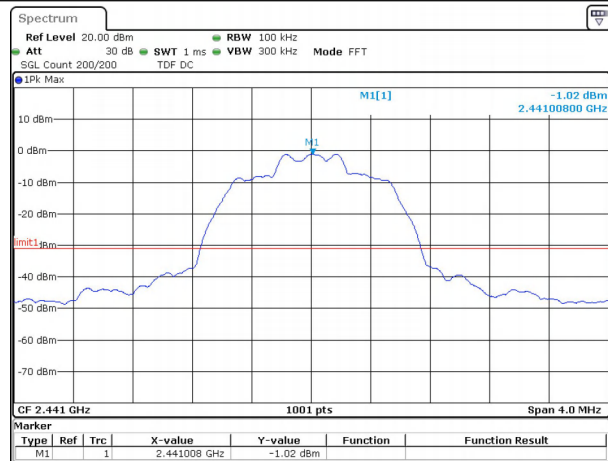


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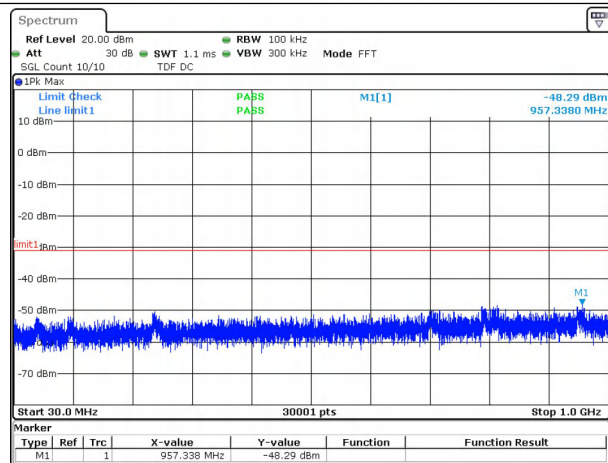


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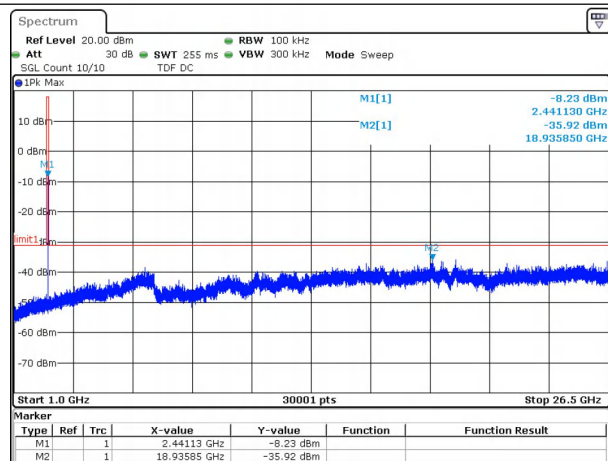
NTNV_2DH5_2441_2Mbps



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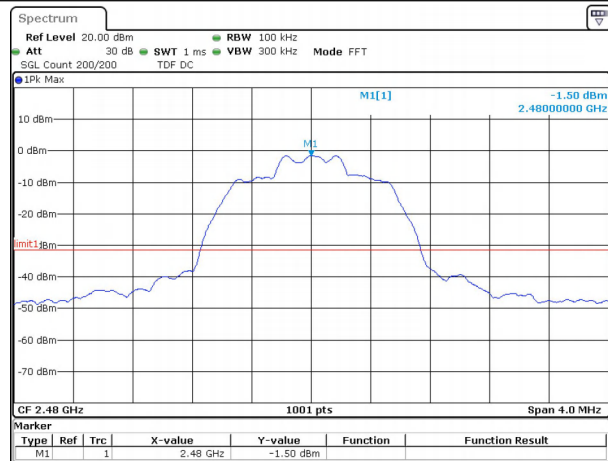


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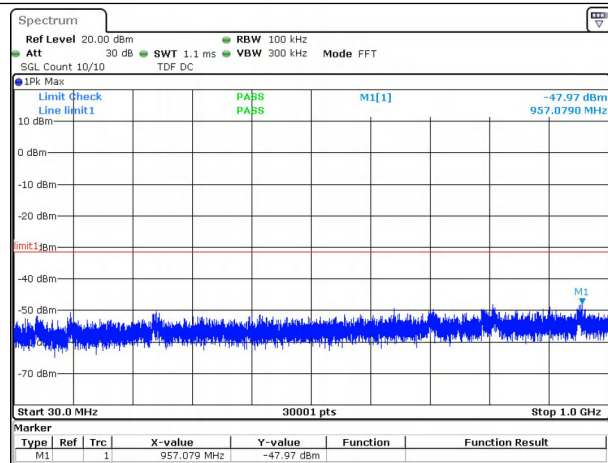


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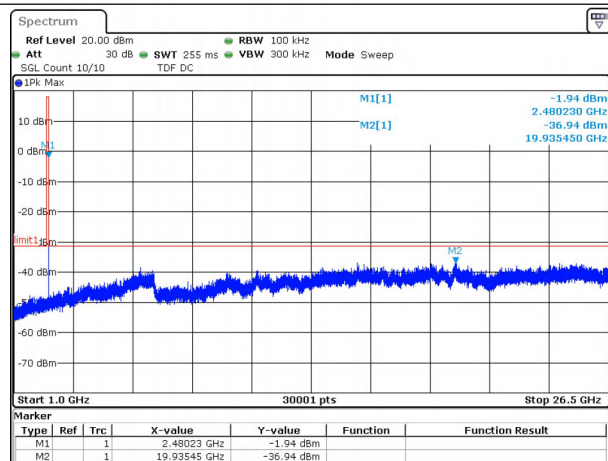
NTNV_2DH5_2480_2Mbps



Date: 29 SEP 2026 12:37:34



Date: 29 SEP 2026 12:37:40



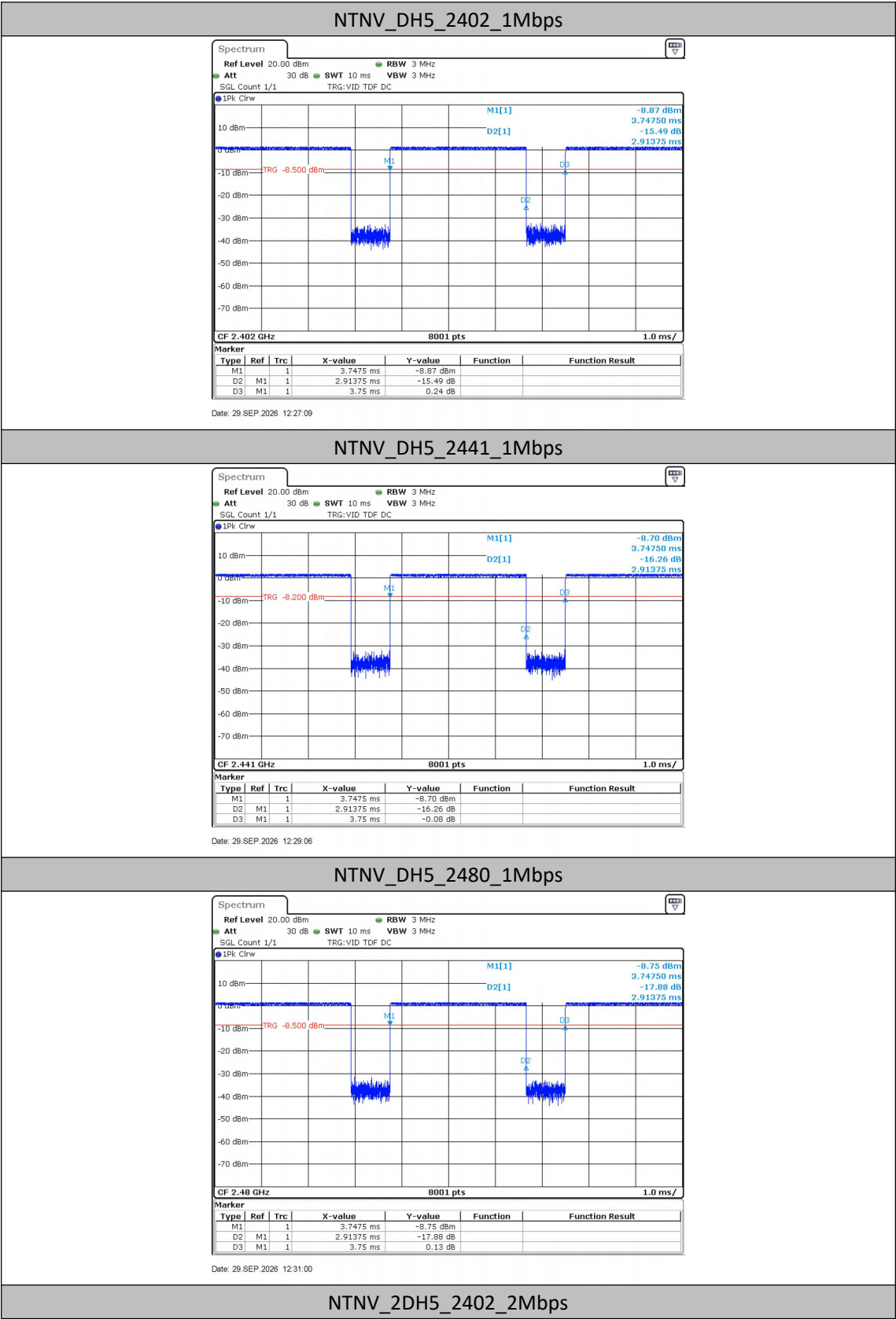
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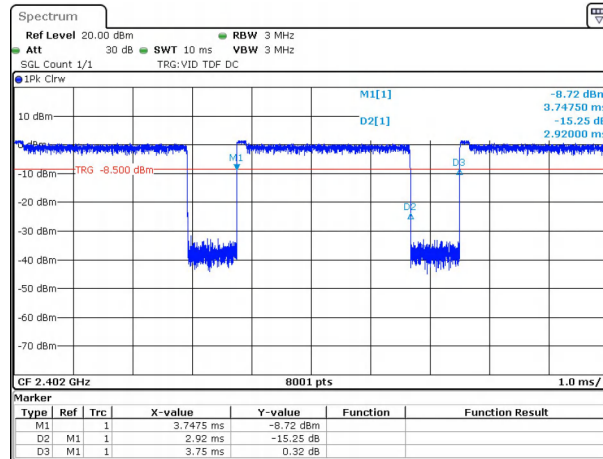
Appendix J: Duty Cycle

Test Result

NO.	Test Condition	Test Mode	Freq (MHz)	Rate	Antenna	T_On (ms)	Period (ms)	Duty Cycle Correction Factor (dB)	Max DC Variation (%)
1	NTNV	DH5	2402	1Mbps	ANT1	2.91	3.75	0.78	77.70
2	NTNV	DH5	2441	1Mbps	ANT1	2.91	3.75	0.78	77.70
3	NTNV	DH5	2480	1Mbps	ANT1	2.91	3.75	0.78	77.70
4	NTNV	2DH5	2402	2Mbps	ANT1	2.92	3.75	0.78	77.87
5	NTNV	2DH5	2441	2Mbps	ANT1	2.92	3.75	0.78	77.83
6	NTNV	2DH5	2480	2Mbps	ANT1	2.92	3.75	0.78	77.87

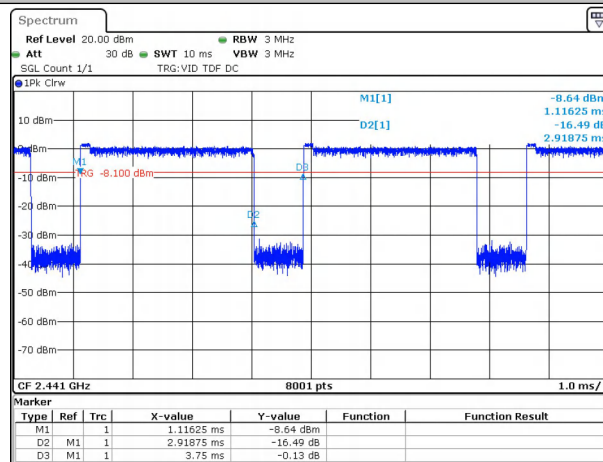
Test Graphs





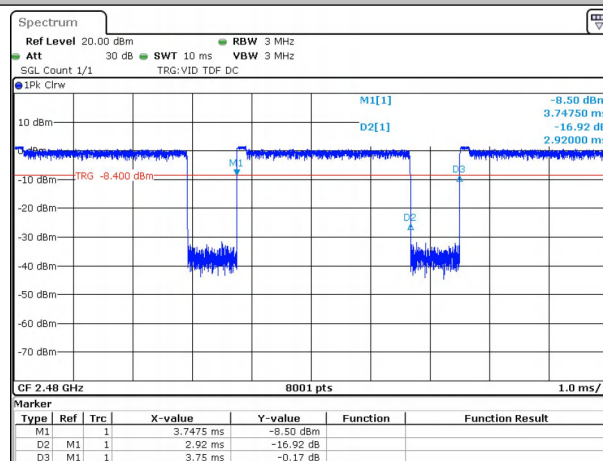
Date: 29 SEP 2026 12:32:55

NTNV_2DH5_2441_2Mbps



Date: 29 SEP 2026 12:34:50

NTNV_2DH5_2480_2Mbps



Date: 29 SEP 2026 12:37:03